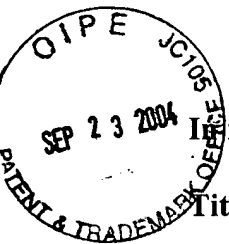


JFW



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor Appln of:

BRANAGAN

Attorney Docket No.:

NANO005U

Title:

METHOD OF MODIFYING IRON BASED GLASSES TO INCREASE  
CRYSTALLIZATION TEMPERATURE WITHOUT CHANGING  
MELTING TEMPERATURE

Serial No.:

10/779,459

Filed:

FEBRUARY 13, 2004

Mail Stop: Amendment

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

The references listed on the attached form PTO-1449 relate to the subject matter of the present invention and are brought to the attention of the Patent and Trademark Office pursuant to 37 C.F.R. 1.56 and 1.98.

Applicants respectfully note the enclosed PTO-1449 cites five (5) references cited in the International Search Report and Written Opinion for the corresponding PCT Application No. PCT/US04/04510. Copies of the PCT International Search Report as well as the Written Opinion are enclosed.

JP 357051237A and JP 357185949A are not in the English language. By way of a brief description of the references, English language abstracts for JP 357051237A and JP 357185949A are enclosed.

This statement is being submitted prior to a first office action on the merits. While this statement contains all the relevant information presently known to the applicant, it should not be interpreted as a representation that an exhaustive search has been conducted or that no other

**Serial No.:** 10/779,459

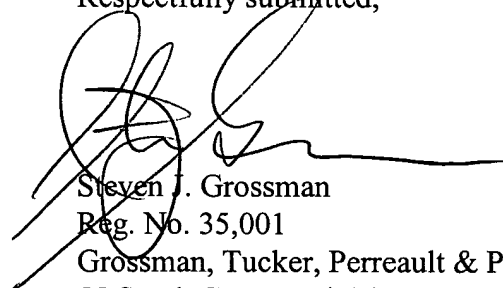
relevant information exists. Also, this statement should not be interpreted as a representation that any cited reference is prior art, or that any cited reference is "material to patentability" as defined in 37 CFR §1.56. The applicant invites the Examiner to make an independent evaluation of each cited reference, copies of which are enclosed, to determine their relevance to the subject matter of the present application.

Finally, the applicant urges that the claims are patentable over the disclosed information.

In the event the Examiner desires personal contact for further disposition of this case, the Examiner is invited to call the undersigned attorney at 603-668-6560.

Applicants believe there are not fees due, however, in the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account No. 50-2121.

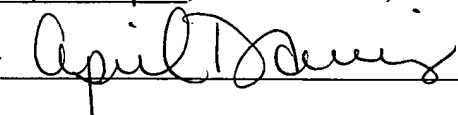
Respectfully submitted,



Steven J. Grossman  
Reg. No. 35,001  
Grossman, Tucker, Perreault & Pfleger  
55 South Commercial Street  
Manchester, NH 03101  
Ph: 603.668.6560

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on Sept. 21, 2004, at Manchester, New Hampshire.

By 

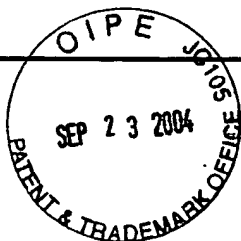
**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
**NANO005U**

In Re Application Of: **BRANAGAN**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/779,459	February 13, 2004		32047		8975

Title: **METHOD OF MODIFYING IRON BASED GLASSES TO INCREASE CRYSTALLIZATION TEMPERATURE WITHOUT CHANGING MELTING TEMPERATURE**



Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

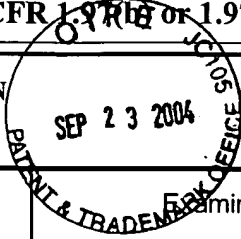
**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
NANO005U

In Re Application: BRANAGAN



Application No. 10/779,459	Filing Date February 13, 2004	Examiner	Customer No. 32047	Group Art Unit	Confirmation No. 8975
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Title: **METHOD OF MODIFYING IRON BASED GLASSES TO INCREASE CRYSTALLIZATION WITHOUT CHANGING MELTING TEMPERATURE**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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**\*This certificate may only be used if paying by deposit account.**

\_\_\_\_\_  
Signature

Steven J. Grossman  
Reg. No. 35,001

Grossman Tucker Perreault & Pfleger, PLLC  
55 South Commercial Street  
Manchester, NH 03101

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April Davis

\_\_\_\_\_  
Typed or Printed Name of Person Mailing Certificate

Dated: September 21, 2004

CC:

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>NANO005U</b>		Application Number <b>10/779,459</b>	
				Applicant(s) <b>BRANAGAN</b>			
				Filing Date <b>FEBRURY 13, 2004</b>		Group Art Unit	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	4,668,310	05/26/1987	KUDO ET AL	148	304	
	2	4,437,912	03/20/1984	SAKAKIMA ET AL	148	403	
	3	5,660,929	08/26/1997	SUZUKI ET AL	428	332	

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	4	JP 357051237A	03/26/1982	JAPAN w/English abstract	C22C	19/07		✓
	5	JP357185949A	11/16/1982	JAPAN w/English abstract	C22C	19/07		✓

OTHER DOCUMENTS		<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
	6	International Search Report for corresponding PCT application PCT/US04/04510 (6 pgs).
	7	Written Opinion for corresponding PCT application PCT/US04/04510 (3 pgs).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.